



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: J. Michael Caldwell

Serial No.: 07/319,778

Filed: March 10, 1989

For: SILICONE POLYMER INTERNALLY  
COATED WEBS

Examiner: Unassigned

GROUP 150

Group Art Unit: 154

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97-1.99

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

For the convenience of the Patent and Trademark Office, record is made below of published art for consideration by the Patent and Trademark Office in connection with the above-identified application. No representation is made or intended that a search has been made or, if made, was complete, or that no more pertinent art than that listed is available. It is expected that the Patent and Trademark Office will independently conduct a complete search for relevant prior art.

In compliance with MPEP Section 609 and 37 C.F.R. 1.97 through 1.99, accompanying each citation is a discussion indicating and including reference to specifically identified portions (e.g., page and line) of the above-identified application, where appropriate. Unless otherwise indicated, a full text copy of the entire item of published art and, in the case of references not in English, a translation thereof is attached. Where specifically indicated, an equivalent English language patent or publication is attached in lieu of a translation.

Also enclosed is a completed form PTO-1449.

(AA) U.S. Patent No. 162,332 to Allen (1875) discloses roll coating apparatus for treating fabrics and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,797, filed March 14, 1988.

(AB) U.S. Patent No. 1,281,728 to Weinheim (1918) discloses a method of impregnating textile fabric in which doctor bars or plates are used to aid in the impregnation of the fabric and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,797, filed March 14, 1988.

(AC) U.S. Patent No. 2,117,432 to Linscott (1938) discloses the use of doctor blades and drying ovens in a process for impregnating fibrous substrates and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,797, filed March 14, 1988.

(AD) U.S. Patent No. 2,575,577 to Beauchamp (1951) discloses waterproofed fabric that has a "rubber like" polymer coating.

(AE) U.S. Patent No. 2,626,941 to Habeck (1953) discloses a water impermeable, vapor permeable coating material.

(AF) U.S. Patent No. 2,759,900 to Caldwell et al. (1956) discloses textile coating compositions containing polyacrylates with carboxyalkyl ethers.

(AG) U.S. Patent No. 2,773,050 to Caldwell et al. (1956) discloses water impermeable, vapor permeable compositions and articles containing a polyacrylic ester and polyvinyl alcohol.

(AH) U.S. Patent No. 2,839,479 to Caldwell et al. (1958) discloses water impermeable, vapor permeable fabric treating compositions comprising an acrylic acid ester and cellulose acetate.

(AI) U.S. Patent No. 2,956,884 to Caldwell (1960) discloses fabric treating compositions comprising polyacrylates and gelatin.

(AJ) U.S. Patent No. 2,976,182 to Caldwell et al. (1961) discloses elastomeric water impermeable, vapor permeable fabric coating compositions comprising crosslinked amides and elastomers.

(AK) U.S. Patent No. 3,026,293 to Caldwell et al. (1962) discloses acrylamide graft copolymers that can be used to waterproof fabrics.

(AL) U.S. Patent No. 3,165,423 to Caldwell et al. (1965) discloses water resistant, vapor permeable fabrics that are coated with an elastomeric composition that contains trioxane crosslinked copolymers of fumaramide and vinyl acetate.

(AM) U.S. Patent No. 3,184,421 to Caldwell et al. (1965) discloses a cellulose sulfate, alkyl acrylate fabric coating composition that is water vapor permeable and water impermeable.

(AN) U.S. Patent No. 3,265,529 to Caldwell et al. (1966) discloses a waterproof breathable fabric that is coated with certain elastomeric polymers.

(AO) U.S. Patent No. 3,594,213 to Rudman (1971) discloses a process for controlling porosity in fibrous webs by applying fluorochemicals and certain organosilicon compounds and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,630, filed on March 14, 1988.

(AP) U.S. Patent No. 4,013,615 to Ohashi et al. (1977) discloses powder pigment electrostatic spray coating compositions and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,869, filed on March 14, 1988.

(AQ) U.S. Patent No. 4,588,614 to Lauchenauer (1986) discloses an impregnation procedure and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,797, filed on March 14, 1988.

(AR) U.S. Patent No. 4,600,436 to Traver et al. (1986) discloses polysiloxane containing ultraviolet light activatable compositions and was cited by the Examiner during prosecution of parent application, U.S. Serial No. 167,869, filed on March 14, 1988.

(AS) Japan Patent Application No. 57-149,559 to Unitika KK (1982) discloses fluorochemical and silicone containing compositions as being useful in preparing water repellant and waterproof fibers and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,630, filed on March 14, 1988.

(AT) Soviet Union Patent Application No. 422469 to Poeshaev et al. (1974) discloses the use of scrapers in impregnation process and was cited by the Examiner during the prosecution of parent application, U.S. Serial No. 167,797, filed March 14, 1989.

(AU) Article "Vapor-Permeable, Water-Resistant Fabrics", American Dyestuff Reporter, January 30, 1967, pages 25-29 discloses the preparation of various vapor permeable, water resistant fabrics.

(AV) Article "Uvinul UV Inhibitors for Cosmetics, Plastics, Coatings, Textiles", BASF Corporation discloses the composition of various ultraviolet light activatable polymerization catalysts and was cited by Applicant during prosecution of parent application, U.S. Serial No. 167,869, filed on March 14, 1988.



Respectfully submitted,

By:

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Date: June 19, 1989

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CERTIFICATE OF MAILING

I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Hon. Commissioner of Patents and Trademarks, Washington, D.C. 20231 on June 19, 1989.

Gladys Negron-Munoz  
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